

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
(Use several sheets if necessary)

Docket Number (Optional) A-1789div

Application Number 10/716739

Applicant Pandian et al.

Filing Date herewith

Group Art Unit 1641

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	RULING DATE IF APPROPRIATE
GC	4,946,958	8/1990	Campbell et al.			
GC	5,356,817	10/2002	Cole et al.			
GC	5,506,150	4/09/96	Canick et al.			
GC	5,660,990	08/1997	Rao et al.			
GC	6,127,186	10/03/00	Pandian			
GC	6,352,862	03/2002	Davis et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
GC	98/10282	3/12/1998	WO				No
GC	99/41584	8/19/1999	WO				No
GC	99/56132	11/04/1999	WO				No
GC	00/42428	7/20/2000	WO				No
GC	00/70094	11/23/2000	WO				No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

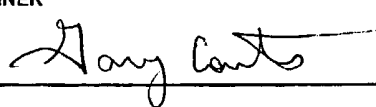
GC	Bahado-Singh R et al., "A high-sensitivity alternative to 'routine' genetic amniocentesis: multiple urinary analytes, nuchal thickness, and age." Am J Obstet Gynecol 1999 Jan;180(1 Pt 1): 169-73.
GC	Cole LA et al., "Urinary screening tests for fetal Down syndrome: I. Fresh β -core fragment." Prenat Diagn. 1999 Apr; 19(4): 340-50.
GC	Bahado-Singh RO et al., "New triple screen test for Down syndrome: combined urine analytes and serum AFP." J Matern Fetal Med. 1998 May-June;7(3):111-4.
GC	Kellner LH et al., "Levels of urinary beta-core fragment, total oestriol, and the ratio of the two in second-trimester screening for Down syndrome." Prenat Diagn. 1997 Dec;17(12):1135-41
GC	Cole La et al., "Combining beta-core fragment and total oestriol measurements to test for Down syndrome ..." Prenat Diagn. 1997 Dec;17(12):1125-33.
GC	Cuckle HS et al., "Urinary multiple marker screening for Down's syndrome." Prenat Diagn. 1995 Aug;15(8):745-51.
GC	Bahado-Singh RO et al., "Comparison of urinary hyperglycosylated human chorionic gonadotropin concentration with the serum triple screen for Down syndrome detection in high-risk pregnancies." Am J Obstet Gynecol. 2000 Nov;183(5):1114-8
GC	Cole LA et al., "Urinary screening tests for fetal Down syndrome: II. Hyperglycosylated hCG." Prenat Diagn. 1999 Apr; 19(4):351-9
GC	Cole LA et al., "Hyperglycosylated hCG, a potential alternative to hCG in Down syndrome screening." Prenat Diagn. 1998 Sep; 18(9):926-33.
GC	Hsu JJ et al., "Urine free beta-hCG and total estriol for Down syndrome screening during the second trimester in an Asian population." Obstet Gynecol 1999 Jul;94(1):107-11.

EXAMINER

DATE CONSIDERED

4/22/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered.
Include copy of this form with next communication to the applicant.

Form PTO-1449		Docket Number (Optional) A-1789div	Application Number 10/ 716239			
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FOREIGN PATENT DOCUMENTS						
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						YES NO
/	/	/	/	/	/	/ /
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
fe	Spencer K et al., "First-trimester urine free beta hCG, beta core, and total oestriol in pregnancies affected by Down's syndrome: implications for first-trimester screening with nuchal translucency and serum free beta hCG." Prenat Diagn 1997 Jun;17(6):525-38.					
ge	Isozaki T et al., "Screening for Down syndrome pregnancy using β -core fragment: prospective study." Prenat Diagn 1997 May;17(5):407-13.					
ge	Spencer K et al., "Urine free beta hCG and beta core in pregnancies affected by Down's syndrome." Prenat Diagn 1996 Jul;16(7):605-13					
ge	Krichevsky A et al., "The development of a panel of monoclonal antibodies to human luteinizing hormone and its application to immunological mapping and two-site assays." Endocrine 1994, 2, 551-520					
ge	O'Conner JF et al., Differential Urinary Gonadotrophin Profiles in Early Pregnancy and Early Pregnancy Loss." Prenat Diagn 18: 1232-1240 (1998)					
ge	Unknown "Serum Hyperglycosylated hCG: a Potential Screening Test for Fetal Down Syndrome." Prenat. Diagn. 19:488-490 (1999)					
ge	Cole LA et al., "Hyperglycosylated Human Chorionic Gonadotropin (Invasive Trophoblast Antigen) Immunoassay: A New Basis for Gestational Down Syndrome Screening." Clinical Chemistry 45:12 2109-2119. (1999).					
ge	Abushoufa RA et al, "The development of a sialic acid specific lectin-immunoassay for the measurement of human chorionic gonadotrophin glycoforms in serum and its application in normal and Down's syndrome pregnancies." Clinical Endocrinology (2000) 52, 499-508.					
ge	Birken S. et al., "Development and Characterization of Antibodies to a Nicked and Hyperglycosylated Form of hCG from a Choriocarcinoma Patient." Endocrine, 10:(2) 137-144 April 1999.					
ge	Krichevsky A. et al., "Development, Characterization, and Application of Monoclonal Antibodies to the Native and Synthetic β COOH-Terminal Portion of Human Chorionic Gonadotropin (hCG) That Distinguishes between the Native and Desialylated Forms of hCG" Endocrinology 1994 Mar;134(3):1139-45.					
ge	Krichevsky A. et al. "Development and Characterization of a New, Highly Specific Antibody to the Human Chorionic Gonadotropin- β Fragment." Endocrinology 1991 Mar;128(3):1255-64.					
ge	"Utility of Commonly Used Commercial Human Chorionic Gonadotropin Immunoassays in the Diagnosis and Management of Trophoblastic Diseases" by Cole et al.; Clinical Chemistry, Feb. 2001, vol. 47, no. 2, pages 308-315					
ge						
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